PREFACE.

This manual was originally compiled with a view to place within easy reach of students preparing for the Matriculation Examination of the Indian Universities a collection, on a limited scale, of typical examples in Algebra—such as are indispensably present before the mind of experienced teachers and examiners alike. They have been selected from approved standard works, as well as from various examination papers, and grouped into exercises as model questions arranged in progressive order. Solutions follow each exercise, not with the object of fostering what in University parlance goes by the name of "Cram," but to engender in the minds of those that love for neat and short methods, without which no taste for mathematics or science in general can be acquired. In working out each example, therefore, particular care has been taken to get at the answer by the shortest route, and all tedious and round-about processes have been avoided as much as possible. It is, however, known to all engaged in teaching mathematics, that pupils of average intelligence at first often fail to see the reasons for the steps in concise and compact operations. To obviate this inconvenience—the only objection to short methods—each step has been elucidated by indicating the principles bearing upon it—principles, which, for the purpose of constant reference, have been embodied with explanations, wherever necessary, in twenty-nine Articles in the Introductory chapter.

After having gone through two editions which were well received by both teachers and students, the book lay out of print for nearly two decades owing to the auth
having lost interest in it under stress of several sad circumstances. At the insistence of many of his old pupils who found the book useful in their school days and who are now engaged in educational work, a revised and considerably enlarged edition is brought out. It is needless to say that it is placed abreast of the times meeting, as it does, the requirements of the up-to-date syllabus of the Indian Universities. It is hoped that this little hand-book will prove as useful and instructive to the present generation of students as it did to their predecessors.

The services rendered by Babu Pransankar Sen M.A B.L., Vakil, (of 21 Scott’s Lane Calcutta) in passing the manuscript through the press and in identifying himself with the publication of this new edition of the book deserve to be mentioned with warmest gratitude.

Biram Geha  (বিরাম গেহা)
27, Nawapura Benares City
7th February 1916.

S. C. M.